

GILA RIVER BASIN

09484550 CIENEGA CREEK NEAR SONOITA, AZ

LOCATION--Lat 31°51'56", long 110°34'12", in SW_{1/4}NW_{1/4}SW_{1/4} sec. 13. Pima County, Hydrologic Unit 15050302, north of Sonoita.

DRAINAGE AREA--Undetermined.

PERIOD OF RECORD--Oct. 2001 to current year.

GAGE--Water-stage recorder and concrete weir. Elevation of gage is 4,180 ft above sea level, from topographic map.

REMARKS--Records fair. No known diversion above station.

EXTREMES FOR CURRENT YEAR--Peak discharge above 300 ft³/s and (or) maximum (*):..

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug. 26	0110	*165	*5.76

Minimum daily discharge, 0.12 ft³/s, July 9, 10.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.30	0.40	0.73	0.81	0.84	e1.0	0.75	0.57	0.31	0.15	e2.9	0.42
2	0.31	0.41	0.77	0.81	0.84	e1.0	0.76	0.55	0.29	0.14	0.64	0.37
3	0.33	0.43	0.78	0.81	0.84	e0.99	0.76	0.55	0.27	0.14	0.46	0.36
4	0.38	0.44	0.74	0.81	0.84	e0.99	0.78	0.56	0.28	0.13	0.42	0.35
5	0.40	0.45	0.74	0.81	0.85	0.98	0.78	0.57	0.27	0.15	0.37	0.35
6	0.39	0.46	0.74	0.80	0.84	0.96	0.79	0.56	0.27	0.15	0.37	0.35
7	0.42	0.47	0.74	0.82	0.85	0.95	0.79	0.55	0.27	0.15	0.36	0.34
8	0.43	0.49	0.74	0.87	0.90	0.95	0.77	0.55	0.27	0.13	0.35	1.4
9	0.41	e0.49	0.74	0.85	0.89	0.93	0.73	0.53	0.27	0.12	13	0.47
10	0.40	e0.50	0.74	0.83	0.90	0.93	0.71	0.54	0.24	0.12	0.47	0.37
11	0.35	e0.51	0.75	0.82	0.90	0.93	0.70	0.52	0.24	0.15	0.38	0.35
12	0.31	0.53	0.74	0.81	0.92	0.92	0.69	0.48	0.23	0.15	0.43	0.33
13	0.31	0.54	0.74	0.81	1.0	0.90	0.68	0.46	0.22	0.14	0.45	0.31
14	0.32	0.55	0.75	0.81	0.91	0.89	0.69	0.48	0.21	10	0.39	0.29
15	0.31	0.56	0.77	0.81	0.89	0.90	0.73	0.46	0.20	0.70	0.42	0.29
16	0.31	0.57	0.77	0.81	0.88	0.96	0.72	0.46	0.18	0.23	0.39	0.28
17	0.33	0.58	0.78	0.81	0.86	1.0	0.69	0.44	0.21	0.22	0.36	0.27
18	0.34	0.59	0.81	0.81	0.87	1.1	0.71	0.42	0.23	0.26	1.5	0.28
19	0.34	0.60	0.77	0.82	0.85	1.0	0.72	0.42	0.21	0.25	0.42	0.27
20	0.35	0.61	0.77	0.83	0.90	0.99	0.70	0.40	0.20	0.22	0.39	0.26
21	0.36	0.61	0.78	0.84	0.99	0.97	0.67	0.40	0.20	0.23	0.51	0.25
22	0.35	0.61	0.81	0.85	1.0	0.94	0.67	0.38	0.20	5.1	1.3	0.25
23	0.35	0.63	0.82	0.85	0.91	0.92	0.69	0.37	0.19	e13	0.38	0.31
24	0.35	0.64	0.81	0.83	0.90	0.90	0.68	0.36	0.19	e0.72	0.41	2.7
25	0.36	0.64	0.81	0.83	0.91	0.88	0.66	0.34	0.19	e0.59	1.8	0.67
26	0.37	0.67	0.80	0.83	1.0	0.85	0.63	0.32	0.18	e5.4	54	0.48
27	0.40	0.67	0.80	0.83	1.0	0.84	0.61	0.30	0.18	0.94	3.6	0.39
28	0.39	0.68	0.81	0.84	1.0	0.83	0.60	0.28	0.17	0.57	0.65	0.37
29	0.39	0.74	0.81	0.84	---	0.79	0.58	0.29	0.16	e0.81	3.9	0.36
30	0.39	0.77	0.82	0.83	---	0.80	0.59	0.36	0.15	0.65	0.68	0.35
31	0.40	---	0.81	0.82	---	0.78	---	0.36	---	e2.0	0.47	---
TOTAL	11.15	16.84	23.99	25.55	25.28	28.77	21.03	13.83	6.68	43.71	92.17	13.84
MEAN	0.36	0.56	0.77	0.82	0.90	0.93	0.70	0.45	0.22	1.41	2.97	0.46
MAX	0.43	0.77	0.82	0.87	1.0	1.1	0.79	0.57	0.31	13	54	2.7
MIN	0.30	0.40	0.73	0.80	0.84	0.78	0.58	0.28	0.15	0.12	0.35	0.25
MED	0.35	0.57	0.77	0.82	0.90	0.93	0.70	0.46	0.21	0.23	0.45	0.35
AC-FT	22	33	48	51	50	57	42	27	13	87	183	27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2003	2003	2001
MEAN	0.89	0.95	1.10	1.33	1.51	1.51	1.26	0.69	0.33	1.41	2.97	0.97
MIN	0.36	0.56	0.77	0.82	0.87	1.0	1.1	0.79	0.57	13	54	2.7
MAX	0.43	0.77	0.82	0.87	1.0	1.1	0.79	0.57	0.31	13	54	2.7
AC-FT	22	33	48	51	50	57	42	27	13	87	183	27

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 2001 - 2003
ANNUAL TOTAL	320.55	322.84	
ANNUAL MEAN	0.88	0.88	0.93
HIGHEST ANNUAL MEAN			0.98
LOWEST ANNUAL MEAN			0.88
HIGHEST DAILY MEAN	15 Aug 5	54 Aug 26	54 Aug 26 2003
LOWEST DAILY MEAN	0.18 Sep 26	0.12 Jul 9	0.12 Jul 9 2003
ANNUAL SEVEN-DAY MINIMUM	0.25 Jun 27	0.14 Jul 4	0.14 Jul 4 2003
ANNUAL RUNOFF (AC-FT)	636	640	676
10 PERCENT EXCEEDS	1.5	0.94	1.5
50 PERCENT EXCEEDS	0.66	0.61	0.75
90 PERCENT EXCEEDS	0.31	0.24	0.28

e Estimated